



March 29, 2005

Mr. George Leyva  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

**Re: On Site Monitoring Well Destruction Report  
Former BP Service Station #11146  
1096 Oak Grove Road,  
Concord, California  
RWQCB File No: 07-0203**

Dear Mr. Leyva:

On behalf of the Atlantic Richfield Company, a BP affiliated company; URS Corporation (URS) is submitting this *On Site Monitoring Well Destruction Report* for the above captioned site. The scope of work for this site included the destruction of two recovery wells (RW-2 and RW-3) and four monitoring wells (MW-1 through MW-4). These wells were destroyed due to site closure and upcoming demolition activities. These recovery and monitoring wells are shown in attached Figure 1.

Prior to initiating field activities, URS obtained well destruction permits from the Contra Costa County Department of Environmental Health Services, created a site-specific Health and Safety Plan (HASP) describing hazards associated with the proposed work, and conducted a subsurface utility clearance. The utility clearance included notifying Underground Service Alert (USA) of the pending work a minimum of 48 hours prior to initiating the field investigation, and securing the services of a private utility locating company to confirm the absence of underground utilities at each boring location. Copies of the well abandonment permits are included in Appendix A.

Each of the six wells (MW-1 through MW-4, RW-2 and RW-3) was over-drilled using a hollow-stem auger drill rig to the total depth of the boring. The well box and casings were removed, and with the approval from Contra Costa Environmental Health Department inspector, borehole was grouted from the bottom of the boring to the surface using a tremie pipe. Copies of Monitoring Well logs and Well Completion Report submitted of Department of Water Resources (DWR) are included in Appendix B. Following are the details of the field activities.

URS Corporation  
1333 Broadway, Suite 800  
Oakland, CA 94612-1924  
Tel: 510.893.3600  
Fax: 510.874.3268

X:\x\_env\waste\BP GEM\sites\Rehan\Scott Hooten\11146\Reports\Well Destruction 3-2005\Well Dest. Letter Report\11146welldestructionrpt.doc 3/29/05



Mr. George Leyva  
March 29, 2005  
Page 2 of 2

*Personnel Present:* Jacob Henry, URS Geologist, working under the supervision of Syed Rehan, California Professional Engineer.

*Permits:* Contra Costa County Department of Environmental Health Services, Environmental Health Division Permit #s WP0003904 through WP00003909

*Drilling Company:* Gregg Drilling of Martinez, California (C-57 License # 485165)

*Drilling Date:* March 16-17, 2005

*Number of Wells:* Six (MW-1 through MW-4, RW-1, and RW-3). RW-1 will be destroyed at a later date once URS receives access to off site property.

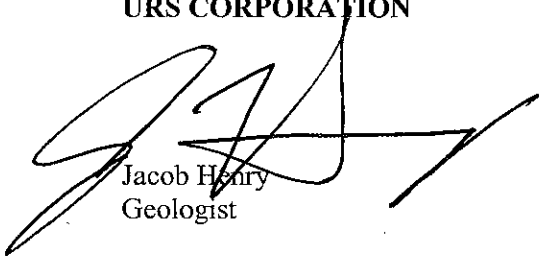
*Boring Depths:* 20 feet bgs (MW-2 through MW-3); 23 feet bgs (RW-2); 25 feet bgs (MW-1); 30 feet bgs (RW-3)

*Drilling Method:* Drill rig equipped with hollow-stem augers.

*Soil and Water Handling:* Soil cuttings produced during drilling activities were drummed in DOT 17H 55-gallon drums. Following waste characterization, soil drums will be removed from the site.

Trust this document meets with your approval. Please do not hesitate to contact us at (510) 893-3600 with any questions or comments.

Sincerely,  
URS CORPORATION



Jacob Henry  
Geologist

S. A. Rehan  
Syed Rehan, P.E.  
Project Manager

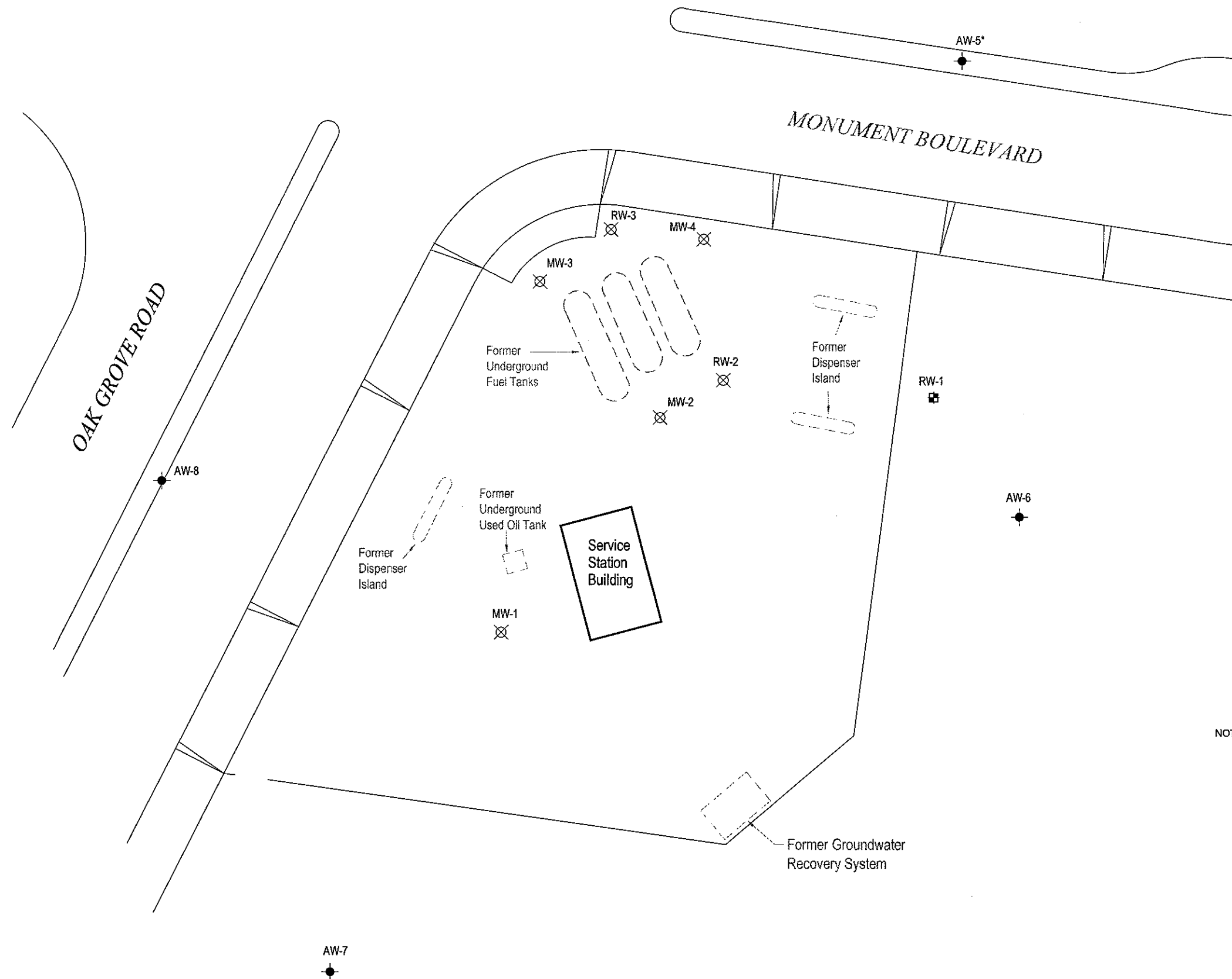


Enclosures: Figure 1: Site Map  
Appendix A: Completed Well Abandonment Permits- Contra Costa County Environmental Health Services  
Appendix B: Well Completion Reports and Well Logs

cc: Mr. Kyle Christie, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS  
Ms. Susan Loyd, Contra Costa County Health Services Division, 4333 Pacheco Boulevard, Martinez, CA 94533  
Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento, CA 95818

**Figure 1**  
**Site Plan**

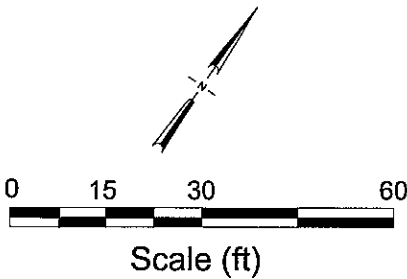
Mar 29, 2005 - 1:14pm  
X:\x\_env\waste\BP\_GEM\sites\Rehan\Scott Hooten\11146\Reports\Well Destruction 3-2005\Drawings\11146-Site Map.dwg



**EXPLANATION**

- Monitoring well location
- Groundwater recovery well location
- Monitoring well paved over during road improvement activity
- Destroyed Groundwater/Recovery Well (March 16 -17, 2005)
- Former Site Structures

NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES.  
SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.



<b>URS</b>	Project No. 38487100	<b>SITE PLAN</b>	<b>FIGURE 1</b>
	Former BP Service Station #11146 1096 Oak Grove Road Concord, California		

**Appendix A**  
**Contra Costa County Completed Well Abandonment Permits**

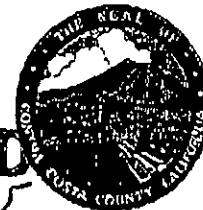


CONTRA COSTA  
ENVIRONMENTAL HEALTH DIVISION  
2120 DIAMOND BOULEVARD, SUITE 200  
CONCORD, CA 94520  
(925) 646-5225  
www.cocoeoh.org



FAXED

3/16/05

**Well Permit**

WP0003904

PR Number: 22131

PE Number: 4368

Date Received: 28 FEB 05

Permit Number: 05M-1208

Permit Approved/Issued by: Ed [Signature]Date Issued: 3/16/05

Environmental Health Specialist

NEW WELL	( ) SOIL BORINGS	<b>WELL ABANDONMENT MW</b>	REPAIR
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The issuance of this permit by Contra Costa County Environmental Health Division does not guarantee a satisfactory and an indefinite operation of any well. Permit expires in 180 calendar days from date of approval. Permits are non-transferable, and can be suspended or revoked. If more time is required for the project, a time extension may be granted if reasons warrant it in writing.

**PROJECT SITE INFORMATION**

Site Address: 1096 OAK GROVE RD, CONCORD

APN: 129-170-017

Lot/Parcel #:

Subdivision #:

Minor Subdivision #:

**DRILLER / CONSULTANT INFORMATION**

Driller: GREGG DRILLING

Phone #: 925-313-5800

Consultant: URS

Phone #: 510-893-3600

Contact Person: CHRIS PRUNER

FAX#: 925-313-0302

Contact Person:

FAX#: 510-874-3268

**LEGAL OWNER INFORMATION**

Legal Owner Name: CONOCOPHILLIPS / LIZ SEWELL

Owner Address: 76 BROADWAY

City/State/Zip: SACRAMENTO, CA 95818

Phone #: 916-558-7604

Alternate Phone #:

Contact the Contra Costa County Environmental Health Division appointment desk and obtain a confirmed appointment time and date prior to any drilling construction or destruction of a well. **Voice mail messages are not acceptable.** The appointment desk sends confirmation via telephone or fax.

Well drillers must possess a valid C-57 license and must have on file a performance bond of \$5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

**WELL PERMIT CONDITIONS:**

1. Proper annular seals and surface construction features are to be installed and required water analyses completed within 30 days of commencing drilling.
2. Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
3. Other: \_\_\_\_\_

Final Approval by: Ed [Signature]Date: 3/16/05



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## Well Permit

WP0003905

PR Number: 22132

PE Number: 4368

Date Received: 28 FEB 05

Permit Number: 05M-1209

Permit Approved/Issued by: *Ed J*Date Issued: 3/10/05

Environmental Health Specialist

NEW WELL	<input type="checkbox"/> SOIL BORINGS	<input checked="" type="checkbox"/> WELL ABANDONMENT/MW2	REPAIR
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APN: 129-170-017

Lot/Parcel #:

Subdivision #:

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### DRILLER / CONSULTANT INFORMATION

Driller: GREGG DRILLING

Phone #: 925-313-5800

Consultant: URS

Phone #: 510-893-3600

Contact Person: CHRIS PRUNER

FAX#: 925-313-0302

Contact Person:

FAX#:

### LEGAL OWNER INFORMATION

Legal Owner Name: CONOCOPHILLIPS / LIZ SEWELL

Owner Address: 76 BROADWAY

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Phone #: 916-558-7604

Alternate Phone #:

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2. Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
3. Other: \_\_\_\_\_

Final Approval by: *Ed J*Date: 3/17/05



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## Well Permit

WP0003906

PR Number: 22133

PE Number: 4368

Date Received: 28 FEB 05

Permit Number: 05M-1210

Permit Approved/Issued by: [Signature]

Environmental Health Specialist

Date Issued: 3/10/05

NEW WELL	<input type="checkbox"/> SOIL BORINGS	<input checked="" type="checkbox"/> WELL ABANDONMENT/REPAIR	REPAIR
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### PROJECT SITE INFORMATION

Site Address: 1096 OAK GROVE RD, CONCORD

APN: 129-170-017

Lot/Parcel #:

Subdivision #:

Minor Subdivision #:

### DRILLER / CONSULTANT INFORMATION

Driller: GREGG DRILLING

Phone #: 925-313-5800

Consultant: URS

Phone #: 510-893-3600

Contact Person: CHRIS PRUNER

FAX#: 925-313-0302

Contact Person:

FAX#:

### LEGAL OWNER INFORMATION

Legal Owner Name: CONOCOPHILLIPS / LIZ SEWELL

Owner Address: 76 BROADWAY

City/State/Zip: SACRAMENTO, CA 95818

Phone #: 916-558-7604

Alternate Phone #:

Contact the Contra Costa County Environmental Health Division appointment desk and obtain a confirmed appointment time and date prior to any drilling construction or destruction of a well. **Voice mail messages are not acceptable.** The appointment desk sends confirmation via telephone or fax.

Well drillers must possess a valid C-57 license and must have on file a performance bond of \$5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

#### WELL PERMIT CONDITIONS:

1. Proper annular seals and surface construction features are to be installed and required water analyses completed within 30 days of commencing drilling.
2. Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
3. Other: \_\_\_\_\_

Final Approval by: [Signature]Date: 3/17/05





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## Well Permit

WP0003907

PR Number: 22134

PE Number: 4368

Date Received: 28 FEB 05

Permit Number: 05M-1211

Permit Approved/Issued by: Eul JDate Issued: 3/10/05

Environmental Health Specialist

NEW WELL

() SOIL BORINGS

~~WELL ABANDONMENT/MWA~~

REPAIR

The issuance of this permit by Contra Costa County Environmental Health Division does not guarantee a satisfactory and an indefinite operation of any well. Permit expires in 180 calendar days from date of approval. Permits are non-transferable, and can be suspended or revoked. If more time is required for the project, a time extension may be granted if reasons warrant it in writing.

### PROJECT SITE INFORMATION

Site Address: 1096 OAK GROVE RD, CONCORD

APN: 129-170-017

Lot/Parcel #:

Subdivision #:

Minor Subdivision #:

### DRILLER / CONSULTANT INFORMATION

Driller: GREGG DRILLING

Phone #: 925-313-5800

Consultant: URS

Phone #: 510-893-3600

Contact Person: CHRIS PRUNER

FAX#: 925-313-0302

Contact Person:

FAX#:

### LEGAL OWNER INFORMATION

Legal Owner Name: CONOCOPHILLIPS / LIZ SEWELL

Owner Address: 76 BROADWAY

City/State/Zip: SACRAMENTO, CA 95818

Phone #: 916-558-7604

Alternate Phone #:

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#### WELL PERMIT CONDITIONS:

1. Proper annular seals and surface construction features are to be installed and required water analyses completed within 30 days of commencing drilling.
2. Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
3. Other: \_\_\_\_\_

Final Approval by: Eul JDate: 3/17/05



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## Well Permit

WP0003909

PR Number: 22136

PE Number: 4368

Date Received: 28 FEB 05

Permit Number: 05M-1213

Permit Approved/Issued by: Ed SDate Issued: 3/10/05

Environmental Health Specialist

NEW WELL	( ) SOIL BORINGS	<del>WELL ABANDONMENT/RW2</del>	REPAIR
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### PROJECT SITE INFORMATION

Site Address: 1096 OAK GROVE RD, CONCORD

APN: 129-170-017

Lot/Parcel #:

Subdivision #:

Minor Subdivision #:

### DRILLER / CONSULTANT INFORMATION

Driller: GREGG DRILLING

Phone #: 925-313-5800

Consultant: URS

Phone #: 510-893-3600

Contact Person: CHRIS PRUNER

FAX#: 925-313-0302

Contact Person:

FAX#:

### LEGAL OWNER INFORMATION

Legal Owner Name: CONOCOPHILLIPS / LIZ SEWELL

Owner Address: 76 BROADWAY

City/State/Zip: SACRAMENTO, CA 95818

Phone #: 916-558-7604

Alternate Phone #:

Contact the Contra Costa County Environmental Health Division appointment desk and obtain a confirmed appointment time and date prior to any drilling construction or destruction of a well. **Voice mail messages are not acceptable.** The appointment desk sends confirmation via telephone or fax.

Well drillers must possess a valid C-57 license and must have on file a performance bond of \$5,000.00 with Contra Costa County before commencing with any well construction, destruction or repairs.

#### WELL PERMIT CONDITIONS:

1. Proper annular seals and surface construction features are to be installed and required water analyses completed within 30 days of commencing drilling.
2. Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
3. Other: \_\_\_\_\_

Final Approval by: Ed SDate: 3/17/05



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CONCORD, CA 94520  
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## Well Permit

WP0003910

PR Number: 22137

PE Number: 4368

Date Received: 28 FEB 05

Permit Number: 05M-1214

Permit Approved/Issued by: Ed [Signature]Date Issued: 3/10/05

Environmental Health Specialist

NEW WELL	( ) SOIL BORINGS	<del>WELL ABANDONMENT/RW3</del>	REPAIR
----------	------------------	---------------------------------	--------

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### PROJECT SITE INFORMATION

Site Address: 1096 OAK GROVE RD, CONCORD

APN: 129-170-017

Lot/Parcel #:

Subdivision #:

Minor Subdivision #:

### DRILLER / CONSULTANT INFORMATION

Driller: GREGG DRILLING

Phone #: 925-313-5800

Consultant: URS

Phone #: 510-893-3600

Contact Person: CHRIS PRUNER

FAX#: 925-313-0302

Contact Person:

FAX#:

### LEGAL OWNER INFORMATION

Legal Owner Name: CONOCOPHILLIPS / LIZ SEWELL

Owner Address: 76 BROADWAY

City/State/Zip: SACRAMENTO, CA 95818

Phone #: 916-558-7604

Alternate Phone #:

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#### WELL PERMIT CONDITIONS:

1. Proper annular seals and surface construction features are to be installed and required water analyses completed within 30 days of commencing drilling.
2. Monitoring well/soil boring shall be destroyed pursuant to County regulations within 30 days of completing monitoring activities.
3. Other: \_\_\_\_\_

Final Approval by: Ed [Signature]Date: 3/17/05

**Appendix B**  
**Well Completion Reports and Well Logs**

**QUADRUPPLICATE**  
**For Local Requirements**

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 6  
Owner's Well No. MW-1 No. **0919205**

Date Work Began 3-16-05, Ended 3-17-05

Local Permit Agency Central Valley Environmental Health Division  
Permit No. WFP 0003704/05M-1208 Permit Date 3-10-05

**GEOLOGIC LOG**

ORIENTATION ( ) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE ☐ (SPECIFY)

DEPTH FROM SURFACE  
Ft. to Ft.

DRILLING METHOD Hollow Stem Augers FLUID NA

DESCRIPTION  
Describe material, grain size, color, etc.

See attached boring log

TOTAL DEPTH OF BORING 25 (Feet)  
TOTAL DEPTH OF COMPLETED WELL 25 (Feet)

**WELL OWNER**

Name Arthur R. Rich Co. (Kyle Christian)  
Mailing Address 4 Centerpoint Drive  
City Le Porteur STATE CA ZIP 91673

**WELL LOCATION**

Address 10916 Oak Grove Road  
City San Diego  
County San Diego  
APN Book 129 Page 17 Parcel 17  
Township 33 Range 14 Section 17  
Lat. 33 DEG. 14 MIN. 17 SEC. N Long. 117 DEG. 14 MIN. 17 SEC. W

**LOCATION SKETCH**

See attached Site Plan

WEST EAST

— SOUTH —

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

**ACTIVITY ( )**

☐ NEW WELL  
☐ MODIFICATION/REPAIR  
    ☐ Deepen  
    ☐ Other (Specify)  
☒ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")  
**USES ( )**  
WATER SUPPLY  
    ☐ Domestic ☐ Public  
    ☐ Irrigation ☐ Industrial  
MONITORING ☒  
TEST WELL ☐  
CATHODIC PROTECTION ☐  
HEAT EXCHANGE ☐  
DIRECT PUSH ☐  
INJECTION ☐  
VAPOR EXTRACTION ☐  
SPARGING ☐  
REMEDIATION ☐  
OTHER (SPECIFY) ☐

**WATER LEVEL & YIELD OF COMPLETED WELL**

DEPTH TO FIRST WATER NA (Ft.) BELOW SURFACE  
DEPTH OF STATIC WATER LEVEL \_\_\_\_\_ (Ft.) & DATE MEASURED \_\_\_\_\_  
ESTIMATED YIELD \* \_\_\_\_\_ (GPM) & TEST TYPE \_\_\_\_\_  
TEST LENGTH \_\_\_\_\_ (Hrs.) TOTAL DRAWDOWN \_\_\_\_\_ (Ft.)  
\* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING (S)					
		TYPE ( )				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)
		BLANK	SCREEN	CONDUIT	FILL PIPE		
0 to 7	9"	X				Class 160 PVC	2
7 to 25	9"		X			Class 160 PVC	2

DEPTH FROM SURFACE Ft. to Ft.	ANNULAR MATERIAL			
	TYPE			
	CE-MENT ( )	BEN-TONITE ( )	FILL ( )	FILTER PACK (TYPE/SIZE)
0 to 4	✓			
4 to 6		✓		
6 to 25			✓	Monitoring Sand

**ATTACHMENTS ( )**

- ☒ Geologic Log  
☒ Well Construction Diagram  
☐ Geophysical Log(s)  
☐ Soil/Water Chemical Analyses  
☒ Other Site Plan

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

**CERTIFICATION STATEMENT**

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Shannon Couch for Gregg Drilling & Testing, Inc.  
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)  
ADDRESS 950 Howe Street Road CITY Martinez STATE CA ZIP 94553  
Signed [Signature] C-57 LICENSED WATER WELL CONTRACTOR DATE SIGNED 4/8/05 C-57 LICENSE NUMBER 485165

DRILL RIG HOLLOW STEM AUGER		SURFACE ELEVATION		LOGGED BY Semansky	
DEPTH TO GROUNDWATER AS NOTED 14.5 feet		BORING DIAMETER inches 9 in. 2 in. csg		DATE DRILLED 9/6/86	
DESCRIPTION AND CLASSIFICATION					
Description & Remarks	Color	Consist	Soil Type	Depth (ft.)	Well Construction
ASPHALT AND FINE SAND	blk.	loose		- - - - -	
CLAY	BLK,	soft		- - - - -	
dank odor				- 5 - - -	
slight odor		stiff		- - - - -	
				- 10 - - -	
no discernible odor	lt. grey			- 15 - - -	
KAPREALIAN ENGINEERING 535 Main Street Martinez, CA 94553 (415) 372-5444		EXPLORATORY BORING LOG			
		Mobil Service Station #10-KP4			
		Project No.	Date	Boring No.	
		J86-0713	9/17/86	MW-1	



## MONITOR WELL CONSTRUCTION

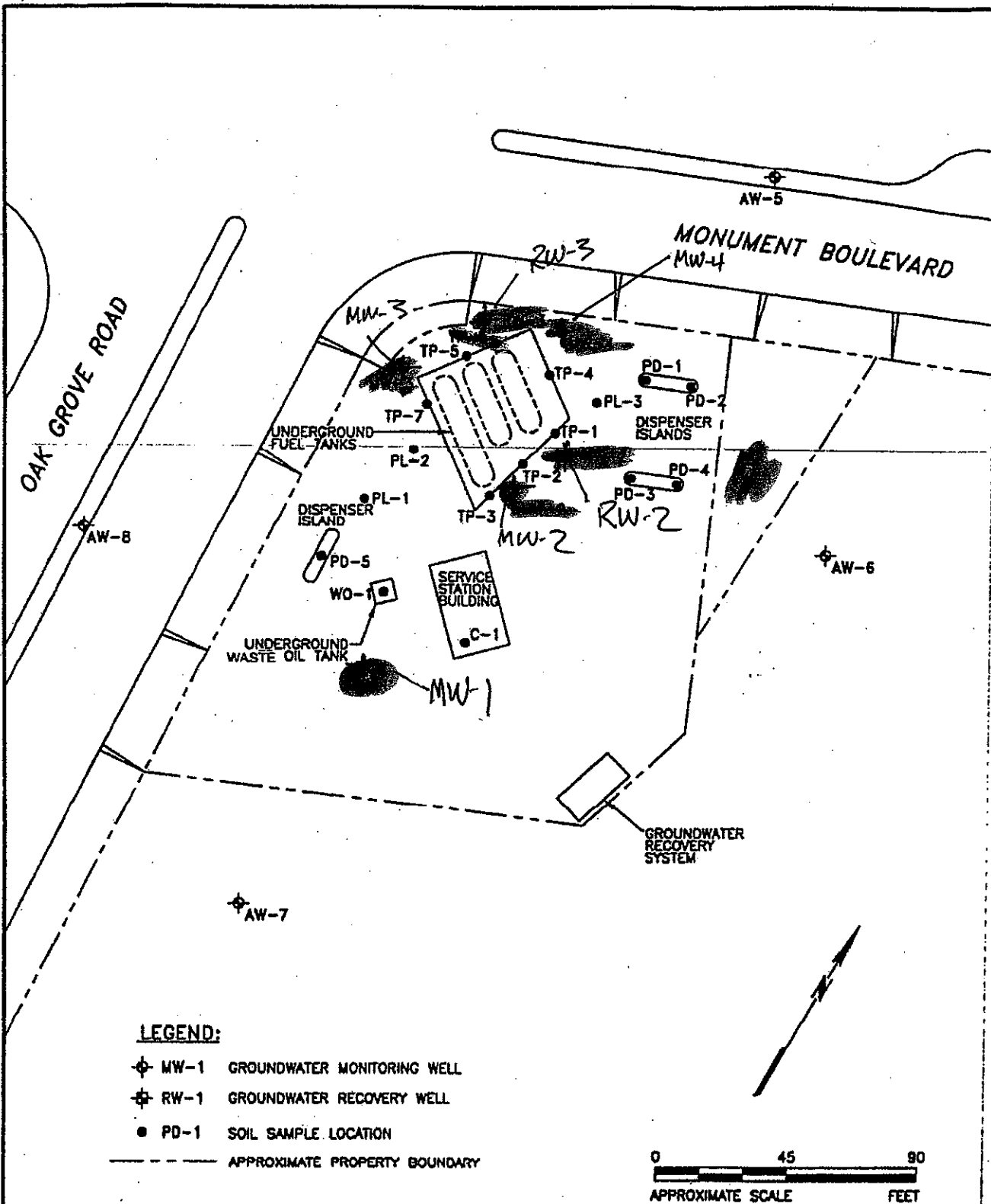
### MOBIL GAS STATION

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MW-1

Well completed to 25 feet in depth with 2-inch Class 160 PVC casing, flush-threaded joints. Screen (0.020-inch slot) set from 7 to 25 feet. Monterrey sand no. 6x12 placed from 4 to 25 feet. Concrete seal placed from 0 to 4 feet.





**SECOR**  
International  
Incorporated

DRAWN	TJZ
APPR	DM
DATE	27APR99
JOB NO.	70888-030-01

**FIGURE 6**  
TOSCO SERVICE STATION #11146  
1086 OAK GROVE ROAD  
CONCORD, CALIFORNIA  
**SITE PLAN**

100012-270028 2:15:00 10/20/99 11:16:51 10/20/99

DWR USE ONLY DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Permit No. WDA-2705/DEAD 919 Permit Date 7-10-05

WELL OWNER

Name John R. Ruppel (W. H. Ruppel)  
Mailing Address 4110 Corporate Drive  
City Patuxent State LA ZIP 39278

WELL LOCATION  
Address 1034 Oak Grove Rd.  
City Camden  
County Calhoun  
APN Book 179 Page 17 Parcel 0017  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_  
Lat \_\_\_\_\_ DEG. \_\_\_\_\_ MIN. \_\_\_\_\_ SEC. N Long \_\_\_\_\_ DEG. \_\_\_\_\_ MIN. \_\_\_\_\_ SEC. W

LOCATION SKETCH  
NORTH  
*See attached site plan*

WEST EAST

ACTIVITY (✓)  
☐ NEW WELL  
☐ MODIFICATION/REPAIR  
☐ Deepen  
☐ Other (Specify) \_\_\_\_\_

☒ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

USES (✓)  
WATER SUPPLY  
☐ Domestic ☐ Public  
☐ Irrigation ☐ Industrial

MONITORING ☒  
TEST WELL ☐  
CATHODIC PROTECTION \_\_\_\_\_  
HEAT EXCHANGE \_\_\_\_\_  
DIRECT PUSH \_\_\_\_\_  
INJECTION \_\_\_\_\_  
VAPOR EXTRACTION \_\_\_\_\_  
SPARGING \_\_\_\_\_  
REMEDICATION \_\_\_\_\_  
OTHER (SPECIFY) \_\_\_\_\_

SOUTH  
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. **PLEASE BE ACCURATE & COMPLETE.**

TOTAL DEPTH OF COMPLETED WELL 753 (Feet)

\* May not be representative of a well's long-term yield.

[illegible]

## CERTIFICATION STATEMENT

- Signed \_\_\_\_\_  
C-57 LICENSED WATER WELL CONTRACTOR

DATE SIGNED \_\_\_\_\_

G-57 LICENSE NUMBER

# Exploratory Boring Log

Project No.  
KEI-P87-1013A

Boring & Casing Diameter  
8 in. 2 in. csg.

Logged By  
JS

Project Name  
Mobil #10-KP4 Concord

Casing Elevation

Date Drilled  
3-25-88

Boring No.  
MW-2

Hollow-stem Flight Auger

Depth to Groundwater  
15 feet

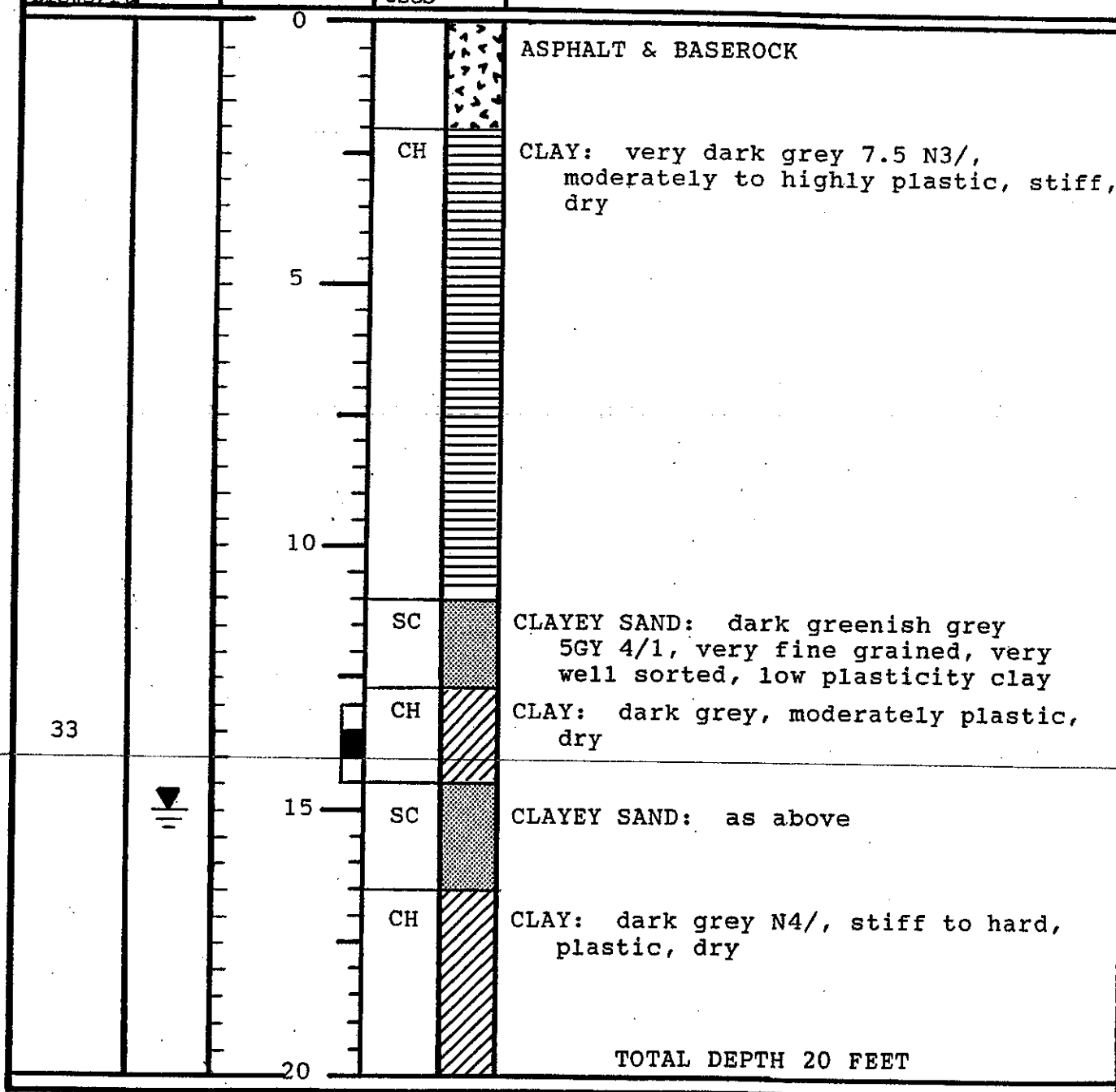
Penetration  
blows/ft

G. W.  
level

Depth (ft)  
Samples

Litho-  
graphy  
USCS

Description



# WELL DETAILS

PROJECT NAME: Mobil S/S #10-KP4 1096 Oak Grove  
Concord, CA

BORING/WELL NO. MW-2

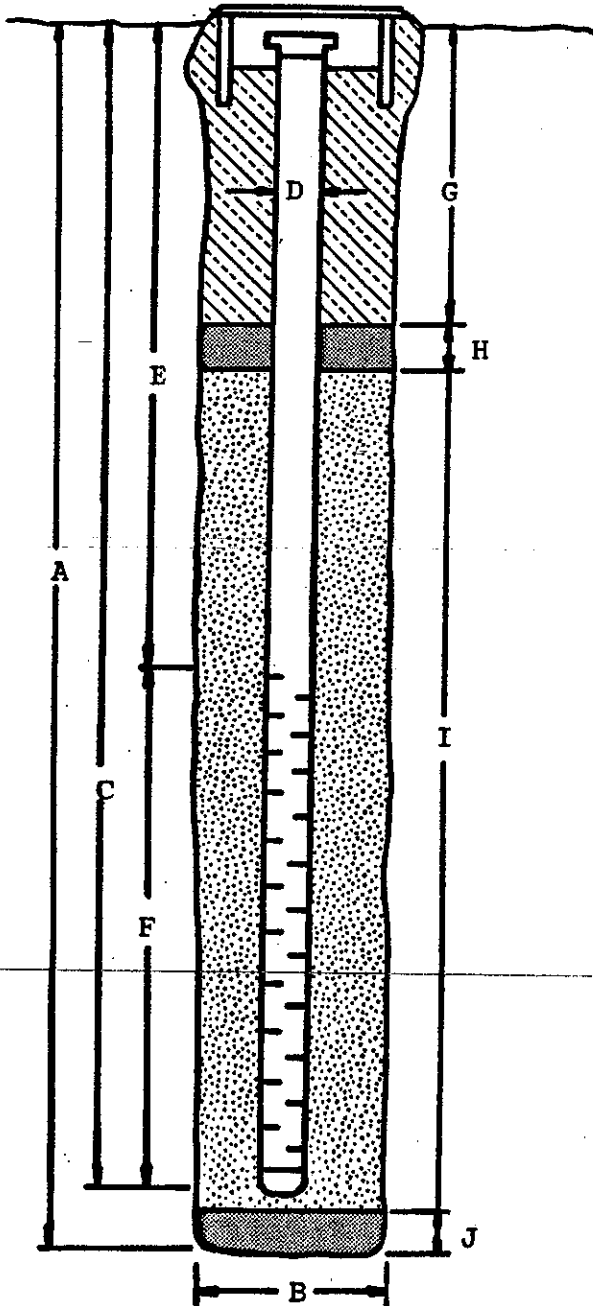
PROJECT NUMBER: KEI-P87-1013A

CASING ELEVATION: \_\_\_\_\_

WELL PERMIT NO.: 88-0071 Contra Costa Co. Health

SURFACE ELEVATION: \_\_\_\_\_

G-5 Vault Box



A. Total Depth: 20 feet

B. Boring Diameter: 8 in.

Drilling method: Hollow stem

C. Casing Length: 20 ft.

Material: Schedule 40 PVC

D. Casing Diameter: 2 in.

E. Depth to Perforations: 10 ft.

F. Perforated Length: 10 ft.

Perforated Interval: 20 to 10 ft.

Perforation Type: slot

Perforation Size: 0.020 in.

G. Surface Seal: 7 to 0 ft.

Seal Material: concrete

H. Seal: 8 to 7 ft.

Seal Material: bentonite

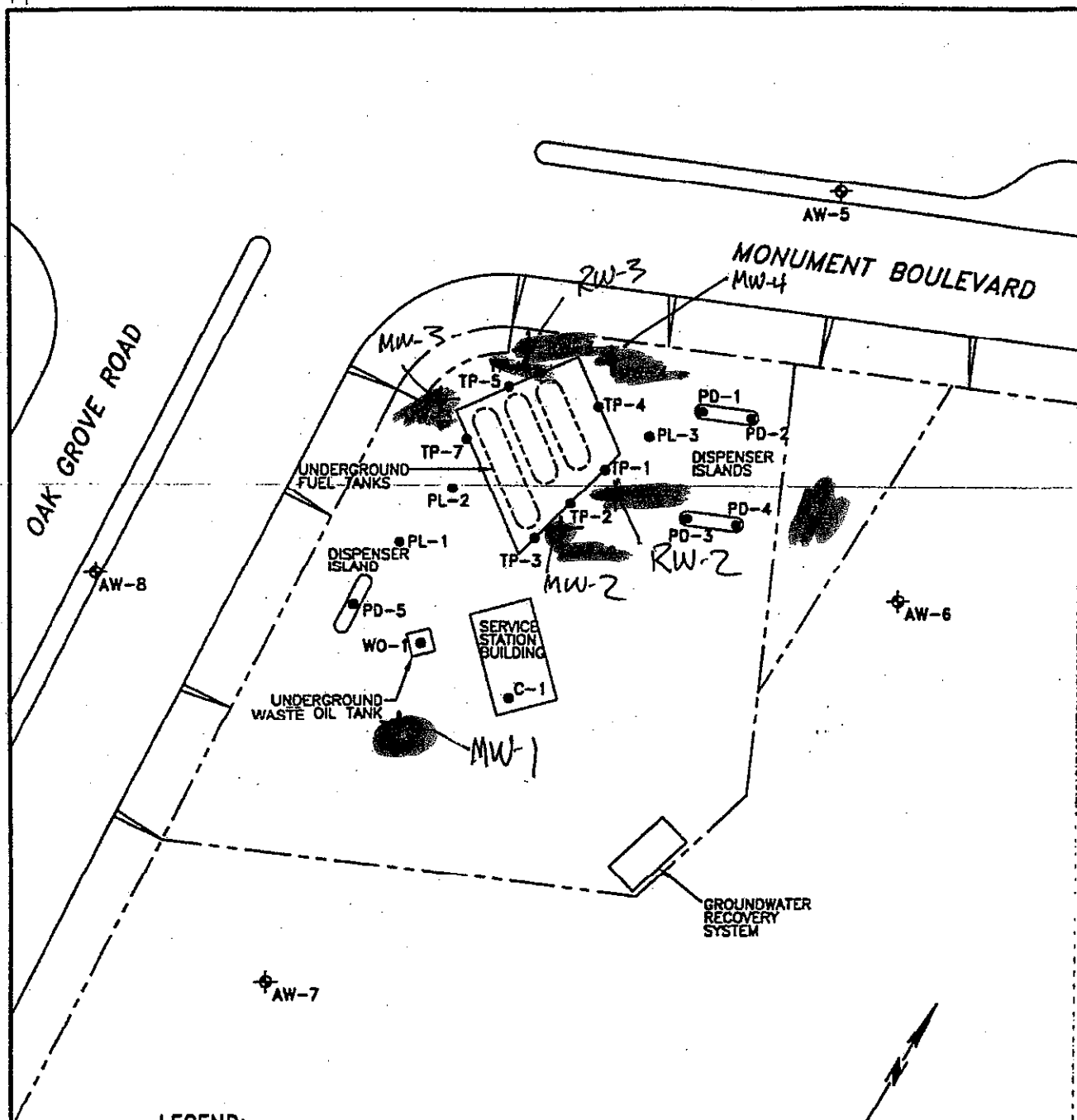
I. Gravel Pack: 20 to 8 ft.

Pack Material: Monterey sand

Size: 12 x 20

J. Bottom Seal: none

Seal Material: \_\_\_\_\_



**LEGEND:**

- ⊕ MW-1 GROUNDWATER MONITORING WELL
- ⊕ RW-1 GROUNDWATER RECOVERY WELL
- PD-1 SOIL SAMPLE LOCATION
- APPROXIMATE PROPERTY BOUNDARY

0 45 90  
APPROXIMATE SCALE FEET

**SECOR**  
International  
Incorporated

DRAWN	TJZ
APPR	DM
DATE	27APR99
JOB NO.	70888-030-01

**FIGURE 6**  
TOSCO SERVICE STATION #11146  
1088 OAK GROVE ROAD  
CONCORD, CALIFORNIA  
**SITE PLAN**

**QUADRUPPLICATE**  
**For Local Requirements**

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

Page 1 of 5

Owner's Well No. MMW-3

No. **0919203**

Date Work Began 3-16-05, Ended 3-17-05

Local Permit Agency Central Coast Environmental Health Division

Permit No. WPC0003906/05A1-1210 Permit Date 3-10-05

DWR USE ONLY — DO NOT FILL IN											
STATE WELL NO./STATION NO.											
LATITUDE						LONGITUDE					
APN/TRS/OTHER											

GEOLOGIC LOG			WELL OWNER		
ORIENTATION (°) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE <input type="checkbox"/> (SPECIFY) DRILLING METHOD <u>Hollow Stem Auger FLUID NA</u> DESCRIPTION Describe material, grain size, color, etc. <u>See Attached Boring Log</u>			Name <u>Atlantic Richfield Co. (Lyle) (Lundin)</u> Mailing Address <u>4 Centerpointe</u> City <u>Palmdale</u> STATE <u>CA</u> ZIP <u>90623</u>		
DEPTH FROM SURFACE Ft. to Ft.			WELL LOCATION Address <u>1096 Oak Grove Rd</u> City <u>Palmdale, CA</u> County <u>Central Coast</u> APN Book <u>129</u> Page <u>17</u> Parcel <u>0017</u> Township <u>11</u> Range <u>1</u> Section <u>17</u> Lat. <u>34</u> DEG. MIN. SEC. N Long. <u>118</u> DEG. MIN. SEC. W		
LOCATION SKETCH NORTH <u>See Attached Site Plan</u>			ACTIVITY (°) <input type="checkbox"/> NEW WELL <input type="checkbox"/> MODIFICATION/REPAIR <input type="checkbox"/> Deepen <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")		
USES (°) WATER SUPPLY <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> MONITORING <input type="checkbox"/> TEST WELL <input type="checkbox"/> CATHODIC PROTECTION <input type="checkbox"/> HEAT EXCHANGE <input type="checkbox"/> DIRECT PUSH <input type="checkbox"/> INJECTION <input type="checkbox"/> VAPOR EXTRACTION <input type="checkbox"/> SPARGING <input type="checkbox"/> REMEDIATION <input type="checkbox"/> OTHER (SPECIFY)			WEST EAST Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. <b>PLEASE BE ACCURATE &amp; COMPLETE.</b>		
TOTAL DEPTH OF BORING <u>24.5</u> (Feet) TOTAL DEPTH OF COMPLETED WELL <u>20</u> (Feet)			WATER LEVEL & YIELD OF COMPLETED WELL DEPTH TO FIRST WATER <u>NA</u> (Ft.) BELOW SURFACE DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____ ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____ TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.) * May not be representative of a well's long-term yield.		

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)						DEPTH FROM SURFACE		ANNULAR MATERIAL					
Ft.	to Ft.		TYPE (°)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE					
		BLANK	SCREEN	CONDUIT	DUCTOR	FILL PIPE									Ft.	to Ft.
0	10	8	X				PVC	2.375	Sch 40		0	7	X			
10	20	8		X			PVC	2	Sch 40	0.020	7	8		X		
											8	20			X	Monterey Sand

<b>ATTACHMENTS (°)</b> <input checked="" type="checkbox"/> Geologic Log <input checked="" type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input checked="" type="checkbox"/> Other <u>Site Plan</u>		<b>CERTIFICATION STATEMENT</b> I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME <u>Shannon Carole Lee Gregg Drilling &amp; Testing, Inc</u> (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) <u>750 Hume Road</u> <u>Marinez</u> <u>CA</u> <u>94553</u> ADDRESS CITY STATE ZIP Signed <u>[Signature]</u> DATE SIGNED <u>3-17-05</u> C-57 LICENSED WATER WELL CONTRACTOR C-57 LICENSE NUMBER <u>485165</u>	
---	--	---	--

# Exploratory Boring Log

Project No. KEI-P87-1013A		Boring & Casing Diameter 8 in. 2 in. csg.		Logged By JS	
Project Name Mobil #10-KP4 Concord		Casing Elevation		Date Drilled 3/25/88	
Boring No. MW-3		Hollow-stem Flight Auger		Depth to Groundwater 16 ft.	

Penetration blows/ft	G. W. level	Depth (ft) Samples	Litho- graphy USCS	Description
		0	ML	ASPHALT & FILL
			ML	SANDY SILT: dark greenish grey 5GY 4/1, fine, well sorted sand, less than 1% fine gravel, low plasticity fines, semi-indurated
		5	CH	CLAY: dark grey N4/, highly plastic, stiff, damp
		10	SC	CLAYEY SAND: greenish grey 5GY 5/1, fine, well sorted sand and low plasticity clay
17	▼	15	CH	CLAY: dark grey N4/, moderately plastic, stiff, dry
			SC	CLAYEY SAND: as above, wet
		20	CH	CLAY: mottled brown 10YR 5/3 in grey 5Y 5/1, plastic, hard, dry

# Exploratory Boring Log

Project No. KEI-P87-1013A	Boring & Casing Diameter	Logged By
Project Name Mobil #10-KP4 Concord	Casing Elevation	Date Drilled 3/25/88
Boring No. MW-3	Hollow-stem Flight Auger	Depth to Groundwater

Penetration blows/ft	G. W. level	Depth (ft) Samples	Litho- graphy USCS	Description
		20		CLAY: as above drive 3" sampler 20 to 21.5 ft. drive 2" sampler 21.5 to 23 ft. drive Terzogi 23 to 24.5 ft.
		25		
		30		TOTAL DEPTH 24.5 FEET
		35		
		40		



# WELL DETAILS

PROJECT NAME: Mobil S/S #10-KP4 1096 Oak Grove  
Concord, CA

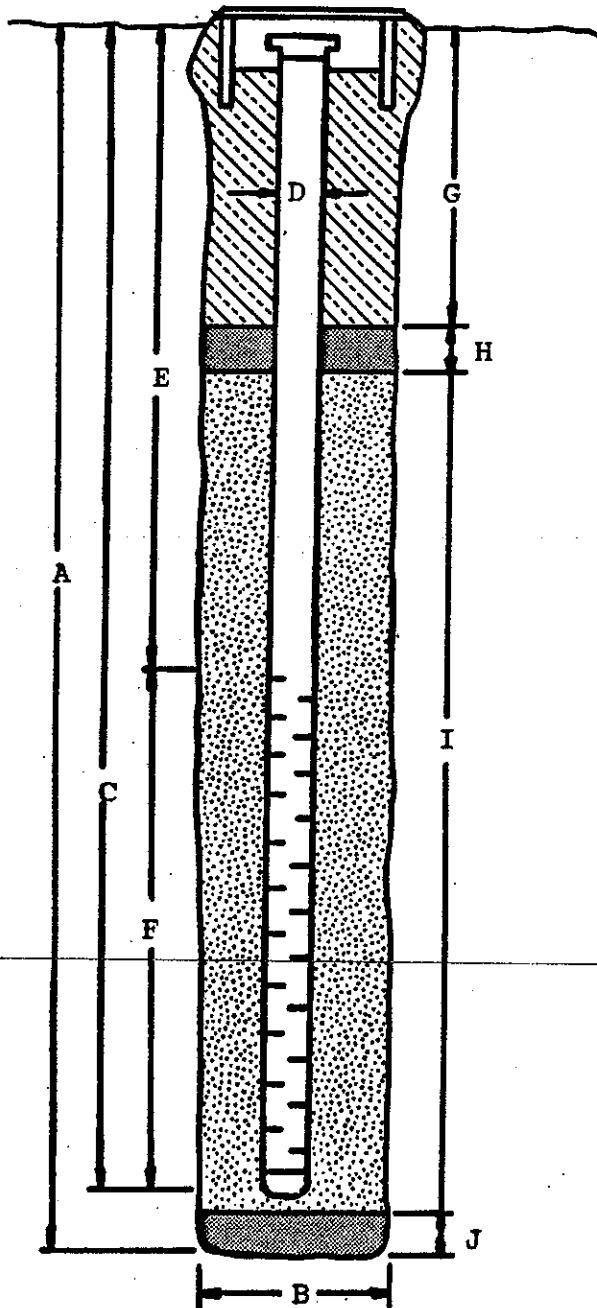
BORING/WELL NO. MW-3

PROJECT NUMBER: KEI-P87-1013A

CASING ELEVATION: \_\_\_\_\_

WELL PERMIT NO.: 88-0072 Contra Costa Co. Health SURFACE ELEVATION: \_\_\_\_\_

G-5 Vault Box



A. Total Depth: 24.5 ft.

B. Boring Diameter: 8 in.

Drilling method: Hollow stem

C. Casing Length: 20 ft.

Material: Schedule 40 PVC

D. Casing Diameter: 2 in

E. Depth to Perforations: 10 ft.

F. Perforated Length: 10 ft.

Perforated Interval: 20 to 10 ft.

Perforation Type: slot

Perforation Size: 0.02 in.

G. Surface Seal: 7 to 0 ft.

Seal Material: concrete

H. Seal: 8 to 7 ft.

Seal Material: bentonite

I. Gravel Pack: 20 to 8 ft.

Pack Material: Monterey sand

Size: 12 x 20

J. Bottom Seal: 24.5 to 20 ft.

Seal Material: bentonite

DWR USE ONLY — DO NOT FILL IN											
STATE WELL NO./STATION NO.											
LATITUDE						LONGITUDE					
APN/TRS/OTHER											

Permit No. 100007903/DEM-1711 Permit Date 3-10-95

**WELL OWNER**

[illegible]

## CERTIFICATION STATEMENT

Signed 2/17/00 DATE SIGNED 2/17/00  
C-57: LICENSED WATER WELL CONTRACTOR C-57 LICENSE NUMBER 4551165

# Exploratory Boring Log

Project No. KEI-P87-1013A		Boring & Casing Diameter 8 in.      2 in. csg.		Logged By JS
Project Name Mobil #10-KP4 Concord		Casing Elevation		Date Drilled 3-25-88
Boring No. MW-4		Hollow-stem Flight Auger		Depth to Groundwater 12 ft.

Penetration blows/ft	G. W. level	Depth (ft) Samples	Litho- graphy USCS	Description
		0		ASPHALT & FILL
			ML	SILT to SANDY SILT: dark greenish grey 5G4/1, well sorted silt with some fine sand, semi-indurated
		5	CH	
		10	SC	CLAYEY SAND: dark greenish grey 5GY 4/1 fine, well sorted sand, moderately plastic clay, strong odor, wet
17	▼	15	CH	CLAY: dark grey N4/, hard, moderately plastic, dry
		20		TOTAL DEPTH 20 FEET

# WELL DETAILS

PROJECT NAME: Mobil S/S #10-KP4 1096 Oak Grove  
Concord, CA

BORING/WELL NO. MW-4

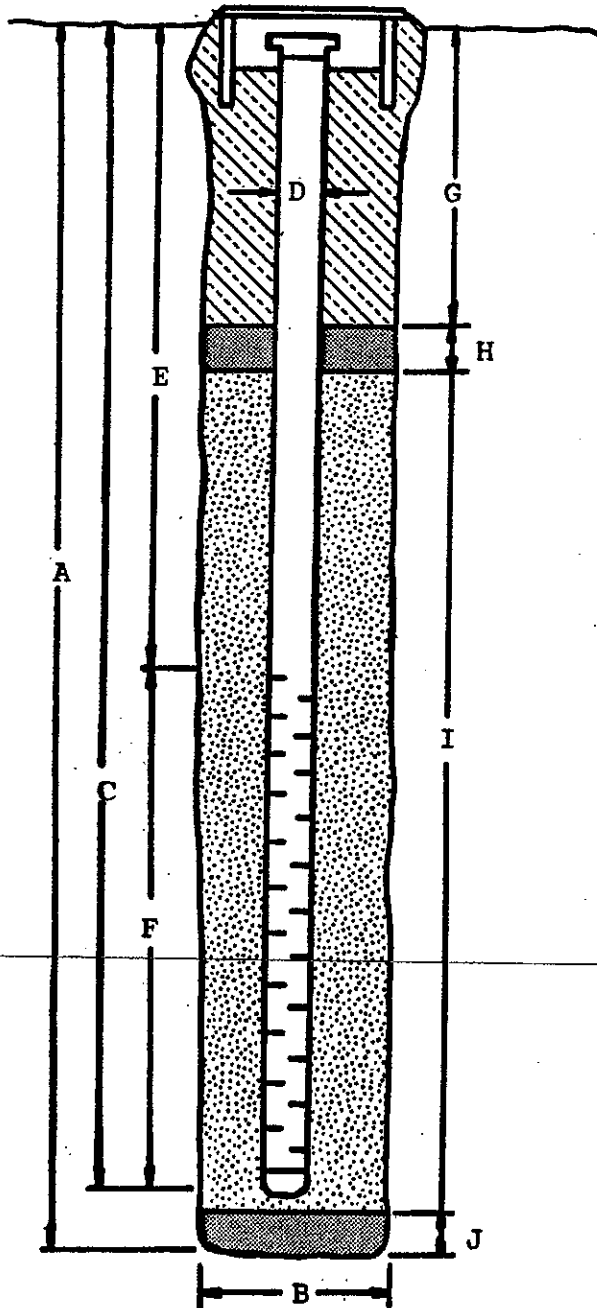
PROJECT NUMBER: KEI-P87-1013A

CASING ELEVATION: \_\_\_\_\_

WELL PERMIT NO.: 88-0073 Contra Costa Co. Health

SURFACE ELEVATION: \_\_\_\_\_

G-5 Vault Box



A. Total Depth: 20 ft.

B. Boring Diameter: 8 in.

Drilling method: Hollow stem

C. Casing Length: 20 ft.

Material: Schedule 40 PVC

D. Casing Diameter: 2 in.

E. Depth to Perforations: 10 ft.

F. Perforated Length: 20 ft.

Perforated Interval: 20 to 10 ft.

Perforation Type: slot

Perforation Size: 0.02 in.

G. Surface Seal: 7 to 0 ft.

Seal Material: concrete

H. Seal: 8 to 7 ft.

Seal Material: bentonite

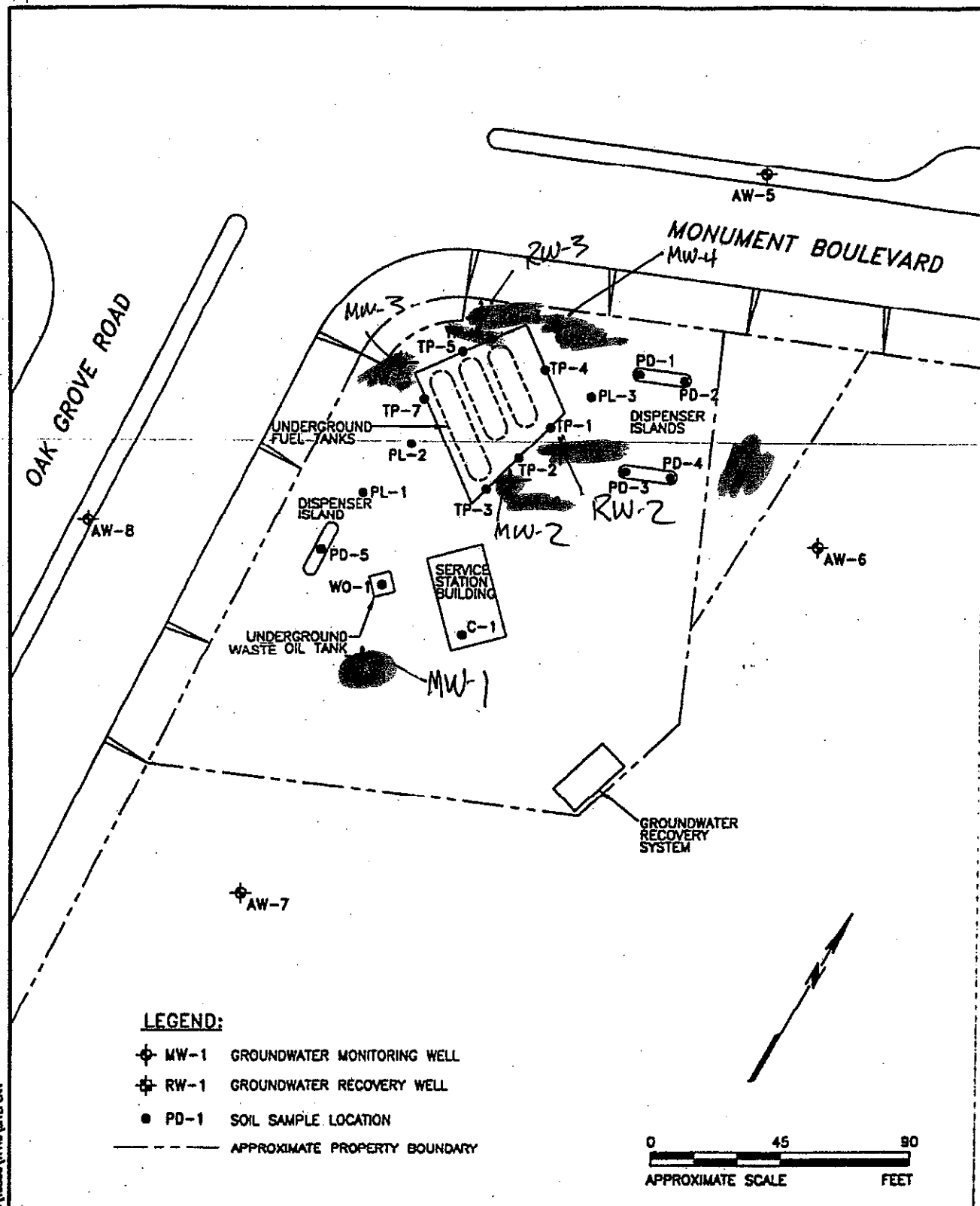
I. Gravel Pack: 20 to 8 ft.

Pack Material: Monterey sand

Size: 12 x 20

J. Bottom Seal: none

Seal Material: \_\_\_\_\_



100002.27039 25 (SAC) TOSCO 11146 SITE PLAN

**SECOR**  
International  
Incorporated

DRAWN	TJZ
APPR	DM
DATE	27APR99
JOB NO.	70888-030-01

**QUADRUPPLICATE**  
**For Local Requirements**

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**

Refer to Instruction Pamphlet

Page 1 of 2

Owner's Well No. 2W-2

No. **0919201**

Date Work Began 3-16-05, Ended 3-17-05

Local Permit Agency Central Coast Environmental Health Division

Permit No. WPD0039094-0541-1213 Permit Date 3-10-05

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.									
LATITUDE					LONGITUDE				
APN/TRS/OTHER									

GEOLOGIC LOG			WELL OWNER	
ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE <input type="checkbox"/> (SPECIFY) DRILLING METHOD <u>Hand Shovel Auger</u> FLUID <u>NA</u> DESCRIPTION Describe material, grain size, color, etc. <u>See attached boring log</u>			Name <u>Atlantic R. Caballero of High Christol</u> Mailing Address <u>41000000000000000000</u> CITY <u>LA POMA</u> STATE <u>CA</u> ZIP <u>90173</u>	
DEPTH FROM SURFACE Ft. to Ft.			<b>WELL LOCATION</b> Address <u>1096 Oak Lane Rd</u> City <u>Central Coast</u> County <u>San Luis Obispo</u> APN Book <u>129</u> Page <u>17</u> Parcel <u>0017</u> Township <u>      </u> Range <u>      </u> Section <u>      </u> Lat <u>      </u> DEG. MIN. SEC. N Long <u>      </u> DEG. MIN. SEC. W	
<b>LOCATION SKETCH</b> NORTH <u>See attached site plan</u>			<b>ACTIVITY (✓)</b> <input type="checkbox"/> NEW WELL <input type="checkbox"/> MODIFICATION/REPAIR <input type="checkbox"/> Deepen <input type="checkbox"/> Other (Specify) <input checked="" type="checkbox"/> DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG") <b>USES (✓)</b> WATER SUPPLY <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> MONITORING <input checked="" type="checkbox"/> TEST WELL CATHODIC PROTECTION <input type="checkbox"/> HEAT EXCHANGE <input type="checkbox"/> DIRECT PUSH <input type="checkbox"/> INJECTION <input type="checkbox"/> VAPOR EXTRACTION <input type="checkbox"/> SPARGING <input type="checkbox"/> REMEDIATION <input type="checkbox"/> OTHER (SPECIFY) <input type="checkbox"/>	
TOTAL DEPTH OF BORING <u>25</u> (Feet) TOTAL DEPTH OF COMPLETED WELL <u>23</u> (Feet)			<b>WATER LEVEL &amp; YIELD OF COMPLETED WELL</b> DEPTH TO FIRST WATER <u>NA</u> (Ft.) BELOW SURFACE DEPTH OF STATIC WATER LEVEL <u>      </u> (Ft.) & DATE MEASURED <u>      </u> ESTIMATED YIELD * <u>      </u> (GPM) & TEST TYPE <u>      </u> TEST LENGTH <u>      </u> (Hrs.) TOTAL DRAWDOWN <u>      </u> (Ft.) * May not be representative of a well's long-term yield.	

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING (S)						DEPTH FROM SURFACE		ANNULAR MATERIAL					
Ft.	to Ft.		TYPE (✓)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE					
		BLANK	SCREEN	CON. DUCTOR	FILL PIPE									Ft.	to Ft.	CE-MENT (✓)
0	8	10	X				PVC	4	sch 40							
8	23	10		X			PVC	4	sch 40	0.020						

ATTACHMENTS (✓)		CERTIFICATION STATEMENT	
<input checked="" type="checkbox"/> Geologic Log	I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME <u>Shannon Couch for Gregg Drilling &amp; Testing, Inc</u> (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) ADDRESS <u>950 Howe Rd</u> CITY <u>Marina</u> STATE <u>CA</u> ZIP <u>94553</u> Signed <u>[Signature]</u> C-57 LICENSED WATER WELL CONTRACTOR DATE SIGNED <u>4/25/05</u> C-57 LICENSE NUMBER <u>      </u>		
<input checked="" type="checkbox"/> Well Construction Diagram			
<input type="checkbox"/> Geophysical Log(s)			
<input type="checkbox"/> Soil/Water Chemical Analyses			
<input checked="" type="checkbox"/> Other <u>Site Plan</u>			
ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.			

ALTON GEOSCIENCE  
LOG OF EXPLORATORY  
BORING



PROJECT NO. 30-0085-04 DATE DRILLED 10/30-31/91  
CLIENT Former Mobil Station 04-KP4  
LOCATION 1096 Oak Grove, Concord, CA  
LOGGED BY G. N-Westermann APPROVED BY \_\_\_\_\_

WELL NO.

RW-2

Page 1 of 1

FIELD SKETCH OF BORING LOCATION

SEE FIGURE 2

TOP OF CASING ELEVATION 47.45'

DRILLING METHOD HEX Hollow Stem Auger HOLE DIAM. 10"

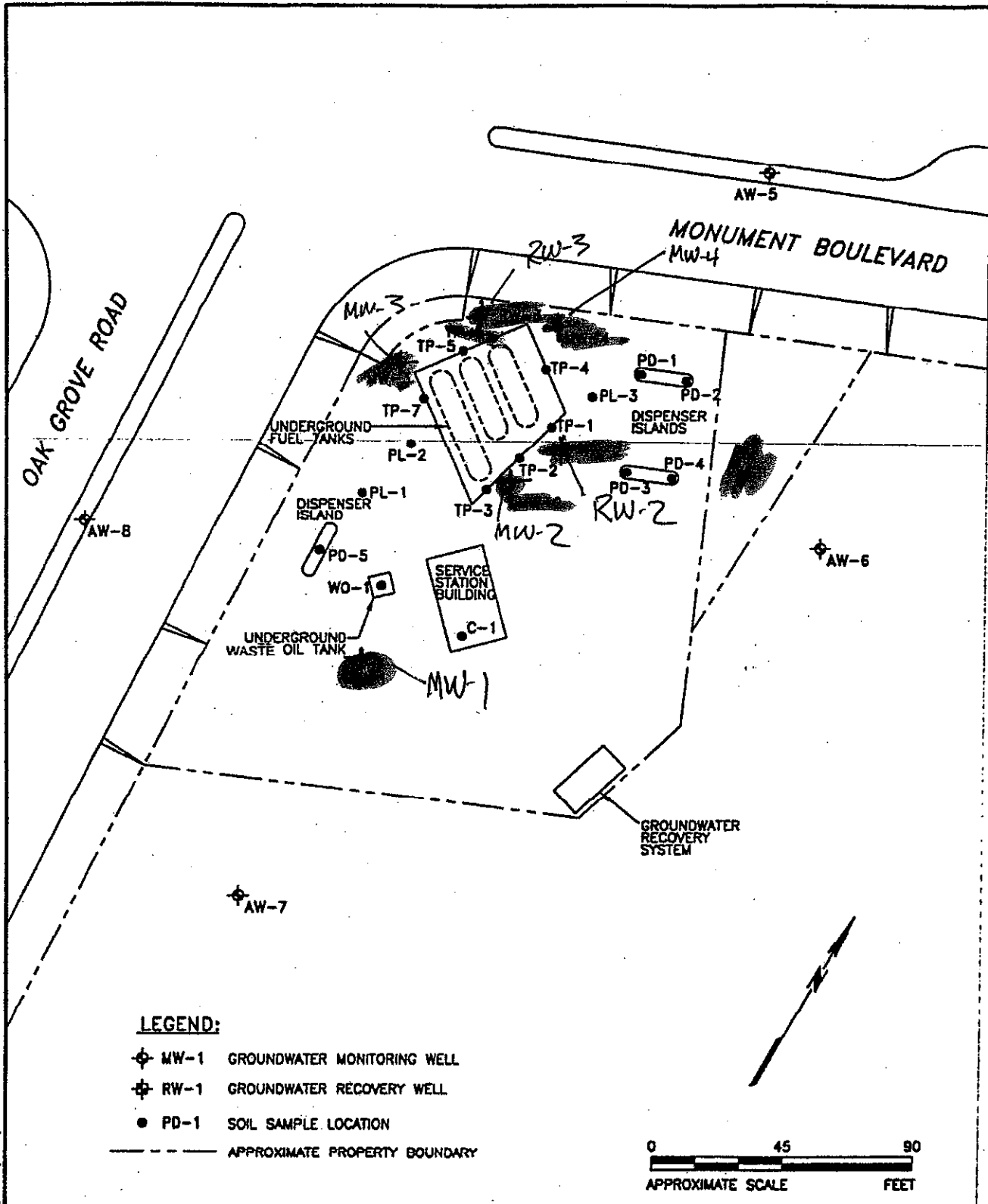
SAMPLER TYPE Split spoon

CASING DATA 4" Sch. 40 PVC: 8' Blank, 15' Screen

DRILLER Westex

BLOWS PER 1/2 FOOT (IN)	PID (PPM)	TPH-G (PPM)	SAMPLE	DEPTH (FT)	Well Construction	USCS	PROFILE	DESCRIPTION
				0				ASPHALT 3"; ROAD BASE 3"
				2		CL		silty CLAY: dark brown, damp
				4		SM		silty SAND: greenish-gray, damp
5,7,7				6	4" dia. Sch. 40 PVC Casing	GM		silty GRAVEL: dark gray, wet; angular gravels; insufficient recovery for sample preservation
7,8,13	200	6.8		8				silty CLAY: dark greenish-gray, moist, very stiff; some sand
4,5,8	125	7.2		10	4" dia. Sch. 40 PVC 0.020" slotting			silty CLAY: dark greenish-gray, moist, stiff; slight sand
7,15, 23	25	130		12				CLAY: dark grayish-brown, damp, hard; slight sand
7,9,9	50	2.3		14		CL		SAME: becomes very moist, very stiff; with rootlets
10,12, 15				16				sandy CLAY: gray with rust-brown mottling, wet, very stiff; organics
5,5,9				18				SAME: stiff
5,7,11				20				
7,12, 13				22				
				24	End Cap			
				26				

BOREHOLE TERMINATED AT 26.5 FEET BELOW GRADE



199802271039 2:15:40 PM TOSCO\11146 SITE PLAN

**SECOR**  
International  
Incorporated

DRAWN	TJZ
APPR	DM
DATE	27APR99
JOB NO.	70888-030-01



**QUADRUPPLICATE**  
**For Local Requirements**

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 3  
Owner's Well No. RW-3  
Date Work Began 3-16-05, Ended 3-17-05  
Local Permit Agency Central Coast Environmental Health Division  
Permit No. WPD003910/DEM-174 Permit Date 3-10-05  
No. **0919207**

GEOLOGIC LOG				WELL OWNER			
ORIENTATION ( ) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE <input type="checkbox"/> (SPECIFY) DRILLING METHOD <u>Hollow Stem Auger FLUID</u> <u>NA</u>				Name <u>Allen R. Nield (Proprietor)</u> Mailing Address <u>4600 Highway 101</u> City <u>San Luis Obispo</u> STATE <u>CA</u> ZIP <u>90623</u>			
Describe material, grain size, color, etc. <u>See attached Boring Log</u>				WELL LOCATION Address <u>10100 Highway 101</u> City <u>San Luis Obispo</u> County <u>San Luis Obispo</u> APN Book <u>179</u> Page <u>17</u> Parcel <u>0017</u> Township <u> </u> Range <u> </u> Section <u> </u> Lat <u> </u> DEG. MIN. SEC. N Long <u> </u> DEG. MIN. SEC. W			
LOCATION SKETCH NORTH <u>See attached Site Plan</u>				ACTIVITY ( ) <input type="checkbox"/> NEW WELL <input type="checkbox"/> MODIFICATION/REPAIR <input type="checkbox"/> Deepen <input type="checkbox"/> Other (Specify) <u> </u> <input checked="" type="checkbox"/> DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG") USES ( ) WATER SUPPLY <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial MONITORING <input checked="" type="checkbox"/> TEST WELL <input type="checkbox"/> CATHODIC PROTECTION <input type="checkbox"/> HEAT EXCHANGE <input type="checkbox"/> DIRECT PUSH <input type="checkbox"/> INJECTION <input type="checkbox"/> VAPOR EXTRACTION <input type="checkbox"/> SPARGING <input type="checkbox"/> REMEDIATION <input type="checkbox"/> OTHER (SPECIFY) <u> </u>			
TOTAL DEPTH OF BORING <u>35</u> (Feet) TOTAL DEPTH OF COMPLETED WELL <u>30</u> (Feet)				WATER LEVEL & YIELD OF COMPLETED WELL DEPTH TO FIRST WATER <u>NA</u> (Feet) BELOW SURFACE DEPTH OF STATIC WATER LEVEL <u> </u> (Feet) & DATE MEASURED <u> </u> ESTIMATED YIELD * <u> </u> (GPM) & TEST TYPE <u> </u> TEST LENGTH <u> </u> (Hrs.) TOTAL DRAWDOWN <u> </u> (Feet) * May not be representative of a well's long-term yield.			

DEPTH FROM SURFACE			BORE-HOLE DIA. (Inches)	CASING (S)					DEPTH FROM SURFACE			ANNULAR MATERIAL			
				TYPE (✓)				MATERIAL / GRADE				INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE
Ft.	to	Ft.	BLANK	SCREEN	CON- DUCTOR	FILL PIPE									CE- MENT (✓)
0	10	12	X				PVC	6	Sub 40		X				
10	30	17		X			PVC	6	Sub 40	0.020		X			
													X	2 1/4 S.S.	
												X			

<b>ATTACHMENTS ( )</b> <input checked="" type="checkbox"/> Geologic Log <input checked="" type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input checked="" type="checkbox"/> Other <u>Site Plan</u> ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	<b>CERTIFICATION STATEMENT</b> I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME <u>Shannon Couch Inc. George Drilling &amp; Tooling, Inc.</u> (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) ADDRESS <u>450 Home Rd</u> CITY <u>Maricopa</u> STATE <u>CA</u> ZIP <u>94553</u> Signed <u>[Signature]</u> DATE SIGNED <u>4/25/05</u> C-57 LICENSED-WATER WELL CONTRACTOR C-57 LICENSE NUMBER <u> </u>
---	--

PROJECT NO.: 30-0085-10

LOCATION: Former Mobil Station 04-KP4

1096 Oak Grove Boulevard

Concord, California

DATE DRILLED: 8-11-92

LOGGED BY: Tim Grotts

APPROVED BY: R. Logan, RG

DRILLING CO.: West Hazmat Drilling

BLOWS PER 6 INCHES	CGI (ppm)	TPH (ppm)	SAMPLE	DEPTH (feet below grade)	DRILLING METHOD: 12-inch Hollow-Stem Auger SAMPLER TYPE: 2-inch Split-Spoon TOTAL DEPTH: 35.0 feet DEPTH TO WATER: 12.0 feet	USCS	GRAPHIC LOG	WELL CONSTRUCTION DETAIL
DESCRIPTION								
	100	ND		0	SAND: olive-green, damp (fill); trace angular pebbles.	SW		Utility box with locking cap
								Concrete
	50			5	SILTY CLAY: dark gray, damp.			6-inch-diameter PVC casing
Push	50	1.8			Dark gray to greenish black, damp; trace sand.			
6/10/12	60	150		10	CLAY: dark greenish gray, damp; trace silt.			
						CL		
6/6/8				15	SILTY CLAY: medium brown to medium dark gray (mottled), damp; trace organic material, Fe oxide.			
								No. 2/16 Monterey Sand
7/12/20				20	Medium brown (mottled), stiff, damp; trace Fe oxide.			
								6-inch-diameter PVC casing 0.020-inch slotting
4/7/13				25	SANDY SILT: light brown, moderately dense, wet to saturated; trace organic material.	ML		
								End cap
3/3/8				30	CLAYEY SILT: light brown to moderate yellow-brown, saturated; trace organic material.			Bentonite
5/9/14				35	SILTY CLAY: moderate brown, stiff, wet; trace (1-2%) organic material, gravel (2-5%) to 5mm.	CL		
				40				

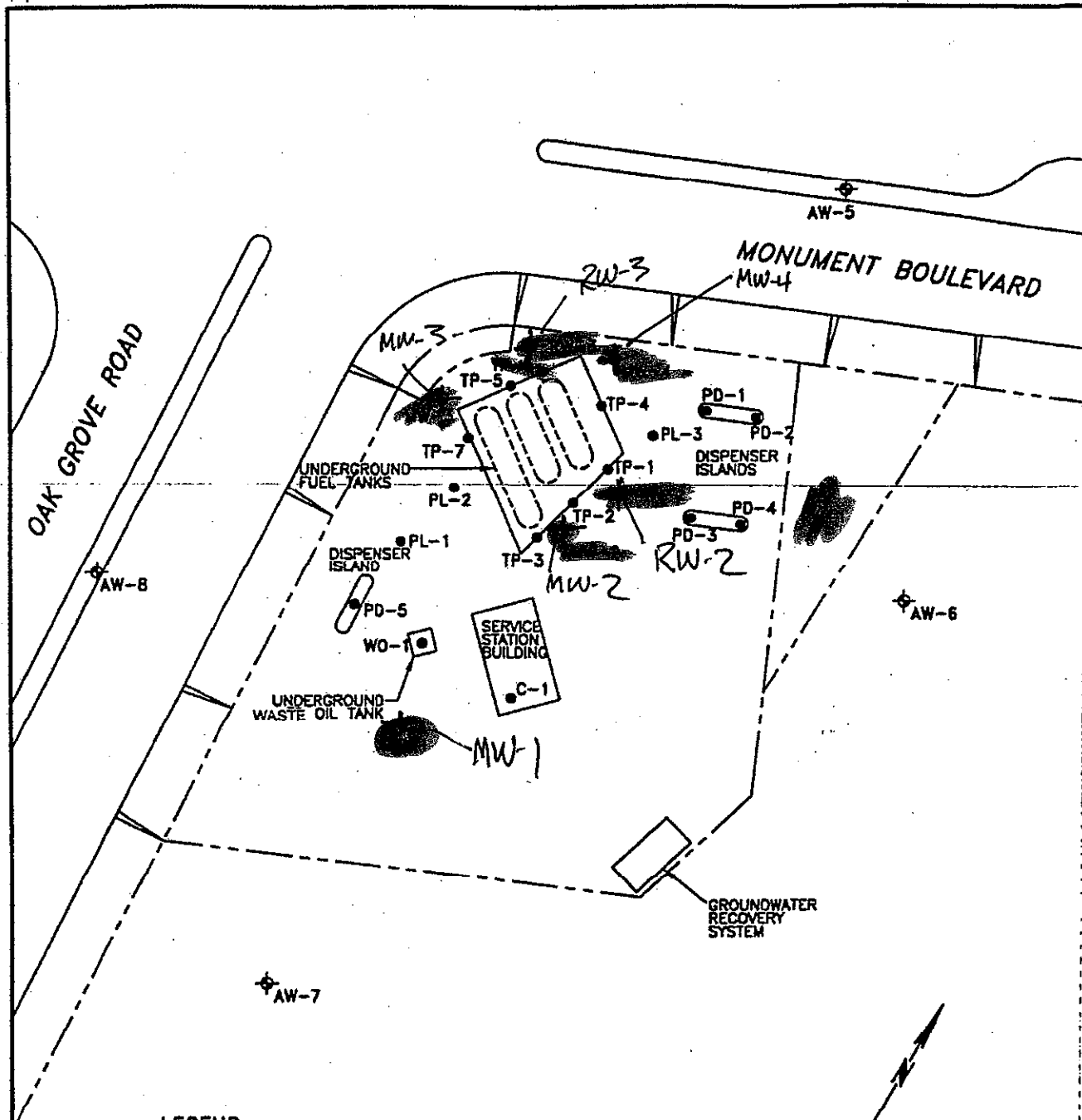


**ALTON  
GEOSCIENCE**  
Pleasanton, California

## LOG OF EXPLORATORY BORING

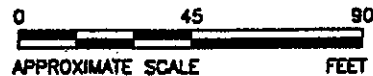
**RW-3**

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**LEGEND:**

- ⊕ MW-1 GROUNDWATER MONITORING WELL
- ⊕ RW-1 GROUNDWATER RECOVERY WELL
- PD-1 SOIL SAMPLE LOCATION
- APPROXIMATE PROPERTY BOUNDARY



**SECOR**  
International  
Incorporated

DRAWN	TJZ
APPR	DM
DATE	27APR99
JOB NO.	70888-030-01

**FIGURE 6**  
TOSCO SERVICE STATION #11146  
1088 OAK GROVE ROAD  
CONCORD, CALIFORNIA  
**SITE PLAN**

199812271039 2:\SECOR\TOSCO\11146\STEP1.A